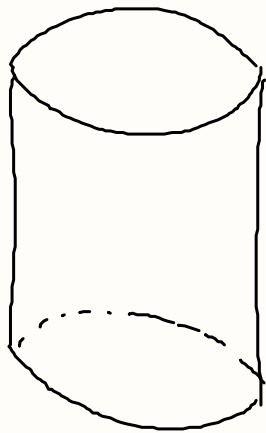
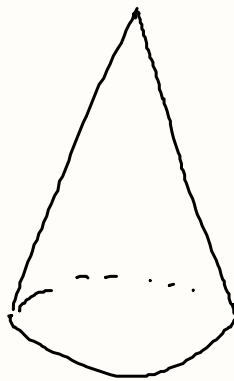


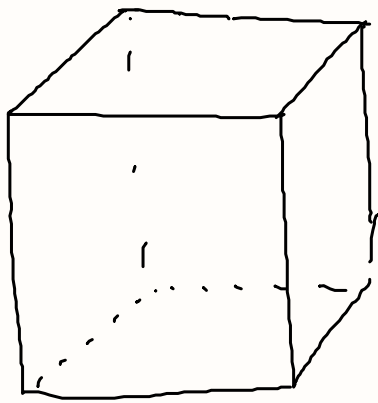
VOLUMES OF PYRAMIDS AND CONES



$$V = \pi R^2 h$$

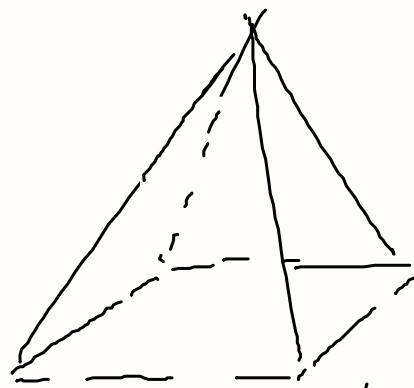


$$V = \frac{1}{3} \pi R^2 h$$



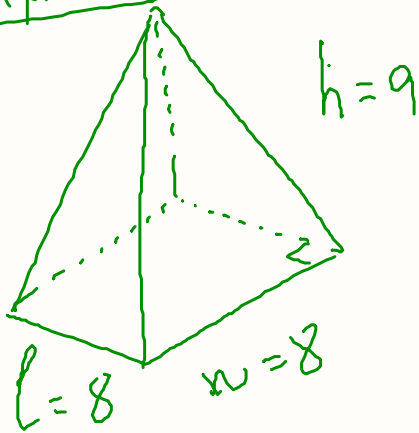
$$V = lwh$$

#1-3 p.524



$$V = \frac{1}{3} lwh$$

#1 p. 524



$$8 \cdot 8 \cdot 9 = 576$$

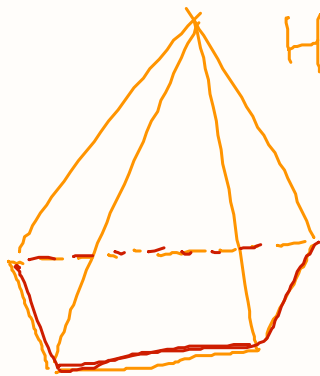
$$576 \div 3 = 192 \text{ cubic units}$$

#2

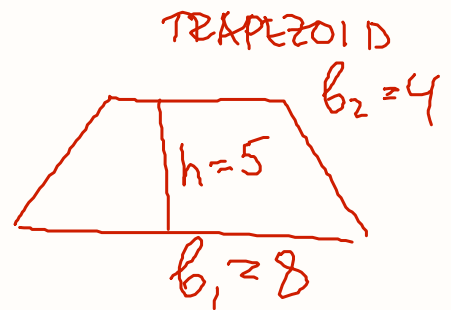


$$\begin{aligned} V &= \frac{1}{3} \pi R^2 h = \\ &= \frac{1}{3} \cdot \pi \cdot 6^2 \cdot 7 = \\ &= \frac{\pi}{\cancel{3}} \cdot 36^1 \cdot 7 = 84\pi \text{ unit}^3 \end{aligned}$$

#3 p. 524



$H = 15 \text{ cm}$



$$A_{\text{BASE}} = \frac{(b_1 + b_2)}{2} \cdot h =$$
$$= \frac{(4 + 8)}{2} \cdot 5 = 30$$

$$V = \frac{A_{\text{Base}} \cdot H}{3} = \frac{30 \cdot 15}{3} = 150 \text{ cm}^3$$

10 a, d, g, J

(a) $A = \frac{b \cdot h}{2}$

(d) $A = b \cdot h$

(g) $A_{\text{base}} = \left(\frac{b + b_2}{2} \right) \cdot h$

(J) $V = \frac{1}{3} \pi R^2 h$

HOME p. 524

#4,6
Q* - BONUS